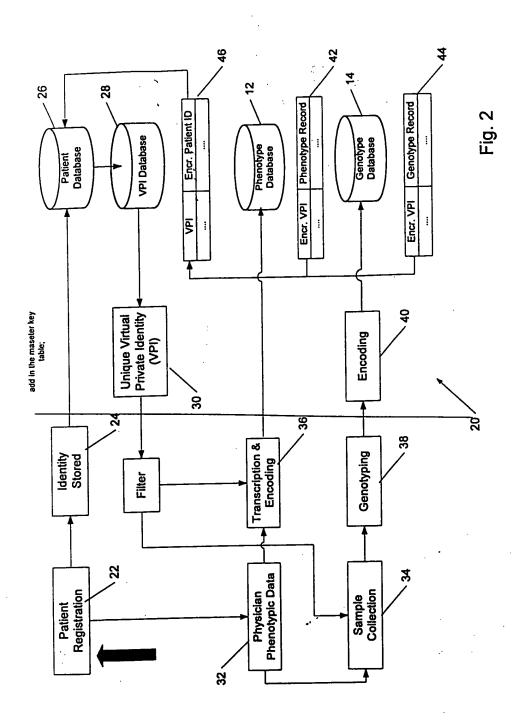


Fig. 1



## Symmetric Key Model 308 306 304 302 \ VPI; K<sub>s</sub>{DATA} DATA $K_s \leftrightarrow VPI$ ; KS(VPI); VPI Hash(VPI) Data Table Key Table 320 310 Fig. 3 Asymmetric Key Model 408 412 414 404 402 K<sub>PB</sub>{VPI}; VPI; K<sub>Pb</sub>{DATA}; DATA K<sub>P8</sub>↔VPI K<sub>PV</sub>↔VPI Hash VPI Data Table Key Table Fig. 4 410 420

